PASSWORD-CHECKER

PLATFORM INFORMATION

OS: Windows 10
Python: 2.7

EDGE TEST CASES

The program has been tested for the following *edge* cases:

1. User input for exiting: The program exits irrespective of the case of the word "finish".
   E.g. "Finish", "finish", "FiNiSH", "FINISH" all would make the control exit from the program.
2. Any word from the common list of passwords alerts the user that the word entered is a common word. E.g. The screenshot below used "banana" as the input password.

```
Enter a password >
******
Number of comparisions:  13
The number of comparisions is related to the length of the list by log n where n is the l
ength of the list.

This is a common word.
Weak Password
The following conditions were not met:
The password must have at least one uppercase and at least one lowercase letter.
The password must have at least one digit.
The password must have at least one character that is not a letter or a digit.
The following conditions were met:
The password should have at least 6 characters.
Enter a password >
```

3. If a user wants to edit their input by hitting Backspace, the corresponding number of asterisk characters also reduces.
4. If the user doesn't enter a password and just presses Enter, the program informs the user that an empty password has been entered. The user is prompted again to enter a password.

```
Enter a password >
Empty password entered. Please enter atleast one character.
Enter a password >
```

GENERAL TEST CASES

User Input	Result
Broccoli	Number of comparisions: 14 The number of comparisions is related to the length of the list by log n where n is the length of the list. Medium Strength Password The following conditions were not met: The password must have at least one digit. The password must have at least one character that is not a letter or a digit. The following conditions were met: The password must have at least one uppercase and at least one lowercase letter. The password should have at least 6 characters.
1990	Number of comparisons: 14 The number of comparisons is related to the length of the list by log n where n is the length of the list. This is a common word. Weak Password The following conditions were not met: The password must have at least one uppercase and at least one lowercase letter. The password must have at least one character that is not a letter or a digit. The password should have at least 6 characters. The following conditions were met: The password must have at least one digit.

Ch4racter	Number of comparisions: 13 The number of comparisions is related to the length of the list by log n where n is the length of the list. High Medium Strength Password The following conditions were not met: The password must have at least one character that is not a letter or a digit. The following conditions were met: The password must have at least one uppercase and at least one lowercase letter. The password must have at least one digit. The password should have at least 6 characters.
Qw3r!y	The number of comparisions is related to the length of the list by log n where n is the length of the list. Strong Password The following conditions were not met: The following conditions were met: The password must have at least one uppercase and at least one lowercase letter. The password must have at least one digit. The password must have at least one character that is not a letter or a digit. The password should have at least 6 characters.